

THIRD-ORDER LEVELING
SEA LEVEL DATUM OF 1929

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-082-31
PIKEVILLE QUADRANGLE
85 KENTUCKY
N3715-W8230/15
DIAGRAM NJ 17-7
JENKINS

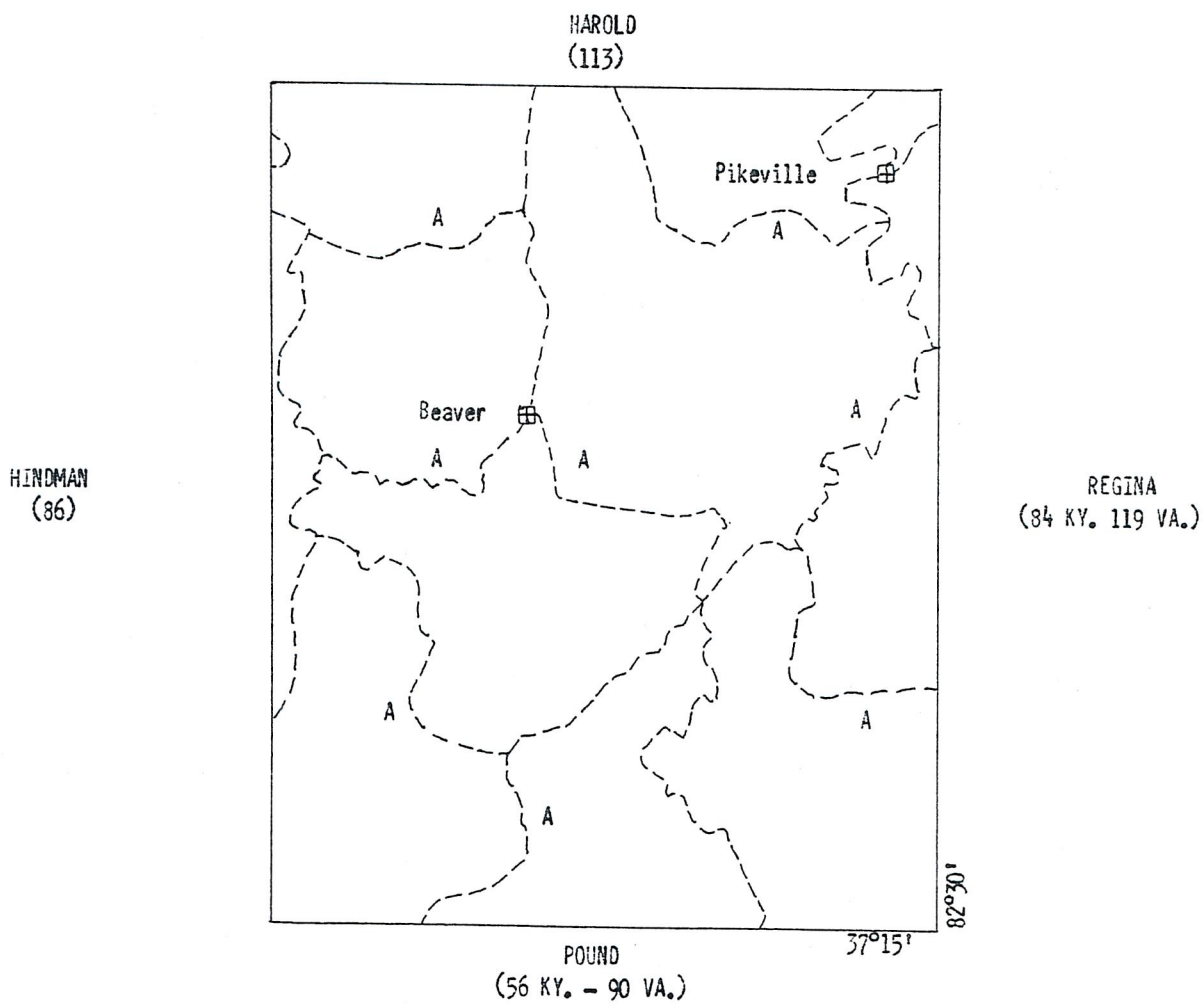
Floyd, Letcher and
Pike Counties

Final adjustment of 1930

Edition of 3/25/74

PR: WSM/mjh

Only the permanent marks are
listed for lines run more
than 25 years before edition
date



NGS (USC&GS) VERTICAL CONTROL DATA

A. Quadrangle 370823

INDEX OF PERMANENT MARKS

<u>MARK (USGS)</u>	<u>PAGE NO.</u>	<u>MARK (USGS)</u>	<u>PAGE NO.</u>
670	4	1017	3
679	4	1019	3
686	4	1112	4
714	3	1168	3
726	4	1207	3
755	3	1297	3
766	4	685 KY	4
783	3	736 KY	4
825	4	688 1913	4
837 (836.560)	3	698 1913	3
837 (837.356)	4	705 1913	4
930	3	TT 3 CWH 1953 RESET	5
933	3	TT 4 CWH 1953 RESET	5
976	4		

ISOLATED BENCH MARKS (By S. R. Archer, 1912; Books A9094 and A9195)	<u>Feet</u>
Kite, 5.8 mi SE. of; 250 ft NE. of mouth of Stover Branch; at rd. leading up Stover Branch to triangulation station at county corners; 220 ft N. of house owned by W. J. Hall's heirs and occupied by Ephram Little; N. side of Right Fork of Beaver Creek; in face of rock ledge; standard tablet stamped "1297" (Reported destroyed, 1954)	1297.325
Speight, at mouth of Yonts Branch; at SE. corner of rd. forks; 70 ft SE. of store of Silas Johnson (Specht post office); in top of projection of rock ledge; standard tablet stamped "1207"	1206.942
Speight, 2.5 mi NE. of; 1.2 mi N. of Etty; at SE. forks of Long Fork of Shelby Creek; 350 ft S. of forks of creek; in face of stone pillar of foundation at NE. corner of public schoolhouse; standard tablet stamped "1019" (Reported not found, 1954)	1018.931
Hartley, 0.5 mi NE. of; 4.8 mi SW. of Virgie; at end of low spur of ridge from NW.; on W. side of Long Fork; 0.2 mi NE. of mouth of Buck Tackett's Branch; 0.1 mi NE. of residence of Neal Little; 400 ft SW. of Newsome Branch; in top of projection of rock ledge; standard tablet stamped "930" (Reported not found, 1954)	929.618
Virgie, Sandy Valley & Elkhorn Railway bridge over Shelby Creek and hwy.; in top of W. end of bridge seat of N. concrete abutment; standard tablet stamped "837" (Tied by NGS, 1953)	836.560
Virgie, 3.7 mi S. of; 0.5 mi N. of Burks Branch; at mouth of small branch from W.; in front of residence of Stephen Osborne; in top of N. concrete abutment at W. end of bridge seat of Sandy Valley & Elkhorn Railway bridge over Shelby Creek and hwy.; standard tablet stamped "933" (Tied by NGS, 1953)	932.751
Dorton; at RR. bridge over mouth of Dorton Creek; in top of N. abutment at W. end of bridge seat; standard tablet stamped "1017"	1017.412
Dorton; 2.2 mi S. of; at Sandy Valley & Elkhorn Ry. bridge over Shelby Creek at mouth of Threemile Creek; in top of W. end of N. concrete abutment of bridge seat; standard tablet stamped "1168" (Tied by NGS, 1953)	1168.223
Penny Station, 0.2 mi N. of; 400 ft SW. of mouth of Caney Creek; 260 ft N. of milepost 8; in top of W. end of small concrete culvert under S. V. & E. Ry.; standard tablet stamped "783" (Tied by NGS, 1953)	782.935
Penny Station, 2.5 mi NE. of; in top of E. end of concrete center pier of S. V. & E. Ry. bridge over mouth of Robinson Creek and hwy.; standard tablet stamped "755" (Tied by NGS, 1953)	754.831
Yeager Station, 0.8 mi NE. of; 300 ft N. of rd. crossing and residence of H. E. Yates; in S. abutment of S. V. & E. Ry. bridge over Shelby Creek; in top of E. end of parapet wall; standard tablet stamped "714" (Tied by NGS, 1953)	713.867
Shelby Station, 0.6 mi NW. of; 475 ft W. of junction of S. V. & E. Ry. and Chesapeake & Ohio Ry.; E. stone abutment; in top of S. end of parapet wall of Chesapeake and Ohio Ry. bridge over top of S. end of parapet wall of Chesapeake & Ohio Ry. bridge over mouth of Shelby Creek; standard tablet stamped "698 1913" (Tied by NGS, 1953)	697.755

ISOLATED BENCH MARKS (Cont'd.)

	<u>Feet</u>
Kewanee Station, 140 ft E. of platform; in top of S. end of concrete culvert under RR.; standard tablet stamped "686" (Reported not found, 1954)	686.077
Island Creek, 340 ft N. of station; in top of S. abutment at E. end of stone bridge seat of Chesapeake & Ohio Ry. bridge over mouth of Island Creek; standard tablet stamped "679" (Tied by NGS, 1940)	679.254
Pikeville; at NE. corner of Pike County Court House; in N. face of stone foundation, first stone under water table; standard tablet stamped "685 KY"	685.320
Coal Run station, 1.2 mi SE. of; opposite mouth of Ratcliffs Creek; 120 ft S. of Samuel Keel's barn on E. side of track; at branch from W.; in top of E. end of concrete heading of iron drain under RR.; standard tablet stamped "670" (Reported destroyed, 1954)	670.321
Alliance, 0.4 mi S. of; 0.2 mi SW. of rd. forks; at mouth of Branhams Creek; 7 ft above and on W. side of rd.; in face of sandstone rock; standard tablet stamped "726" (Reported destroyed, 1954)	725.811
Craynor, 1.6 mi S. of; 0.6 mi S. of Will Hamilton's branch; 300 ft W. of bend in creek to W.; 500 ft W. of mouth of Rod Akers's branch and residence of Robert Hamilton; 150 ft E. of bend in creek to S.; on N. bank of creek; 20 ft from waters edge; in large sandstone rock; standard tablet stamped "736 KY" (Reported destroyed, 1954)	735.857
Craynor, 4.1 mi S. of; 770 ft N. of mouth of Howell Branch; 300 ft S. of residence of Jonah Isaacs on W. side of rd.; on W. bank of Mud Creek; in top of large sandstone rock; standard tablet stamped "825" (Tied by NGS, 1953)	824.437
Beaver, 0.25 mi W. of; 270 ft SW. of rd. forks; at mouth of Tackett Branch; on N. bank of Mud Creek; in front face of corner foundation stone at SE. corner of Meth. Epis. Church; standard tablet stamped "976" (Bench mark moved, elevation 1054)	
Fed, 3.6 mi E. of; 550 ft NW. of schoolhouse; 450 ft NW. of branch from SE.; 0.25 mi S. of residence of Joseph Henson; 60 ft N. of mill and dam; on E. bank of Clear Creek; 4.5 ft above water level; in face of rock cliff; standard tablet stamped "1112" (Reported destroyed, 1954)	1111.529
Fed; mouth of Clear Creek; on N. side of Clear Creek; E. side of left fork of Beaver Creek; 30 ft above bed of creek; in point of spur from E.; in face of sandstone outcrop; standard tablet stamped "837" (Reported destroyed, 1954)	837.356
Fed, 3.8 mi N. of; 250 ft W. of mouth of McCurry Branch; on N. side of McCurry Branch; at rear of house; at end of low spur from NW.; 25 ft above branch; in face of sandstone rock outcrop; standard tablet stamped "766"	765.766
McDowell, mouth of Fraziers Creek; in NE. corner of rd. forks; 20 ft S. of SE. corner of store of Millford Hall; 20 ft N. of SE. corner of store lot at E. lot line; in top of sandstone rock 2.5 ft long and 5 in. square at top; 4 in. above ground; standard tablet stamped "705 1913" (Tied by NGS, 1953)	704.451
Minnie, 0.5 mi E. and 0.9 mi NE. of; at mouth of Simpson and Martin Branch; on E. side of rd.; N. side of branch; at foot of low spur from NE.; below church and schoolhouse; 40 ft E. of rd. crossing branch; in face of rock cliff; 2.5 ft above bed of branch; standard tablet stamped "688 1913" (Reported destroyed, 1954)	687.697

ISOLATED BENCH MARKS (Cont'd.)Feet

Virgie, 1.9 mi SW. of, along Long Fork Road from junction of U. S. Highways 23 and 119; in concrete walk leading to house of Noah Holbrook; standard tablet stamped "TT 3 CWH 1953 RESET" (Tied by NGS, 1953)

866.492

Virgie, 3.7 mi SW. of, along Long Fork Road from junction of U. S. Highways 23 and 119; 145 ft E. of, and across creek from small store and Hartley Post Office; 100 ft N. of house; 62 ft E. of E. edge of creek above small garden; in rock outcrop; standard tablet stamped "TT 4 CWH 1953 RESET" (Tied by NGS, 1953)

924.381

HORIZONTAL CONTROL
NORTH AMERICAN DATUM OF 1927

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

37-082-31
PIKEVILLE QUADRANGLE
85 KENTUCKY
N3715-W8230/15
DIAGRAM NJ 17-7
JENKINS

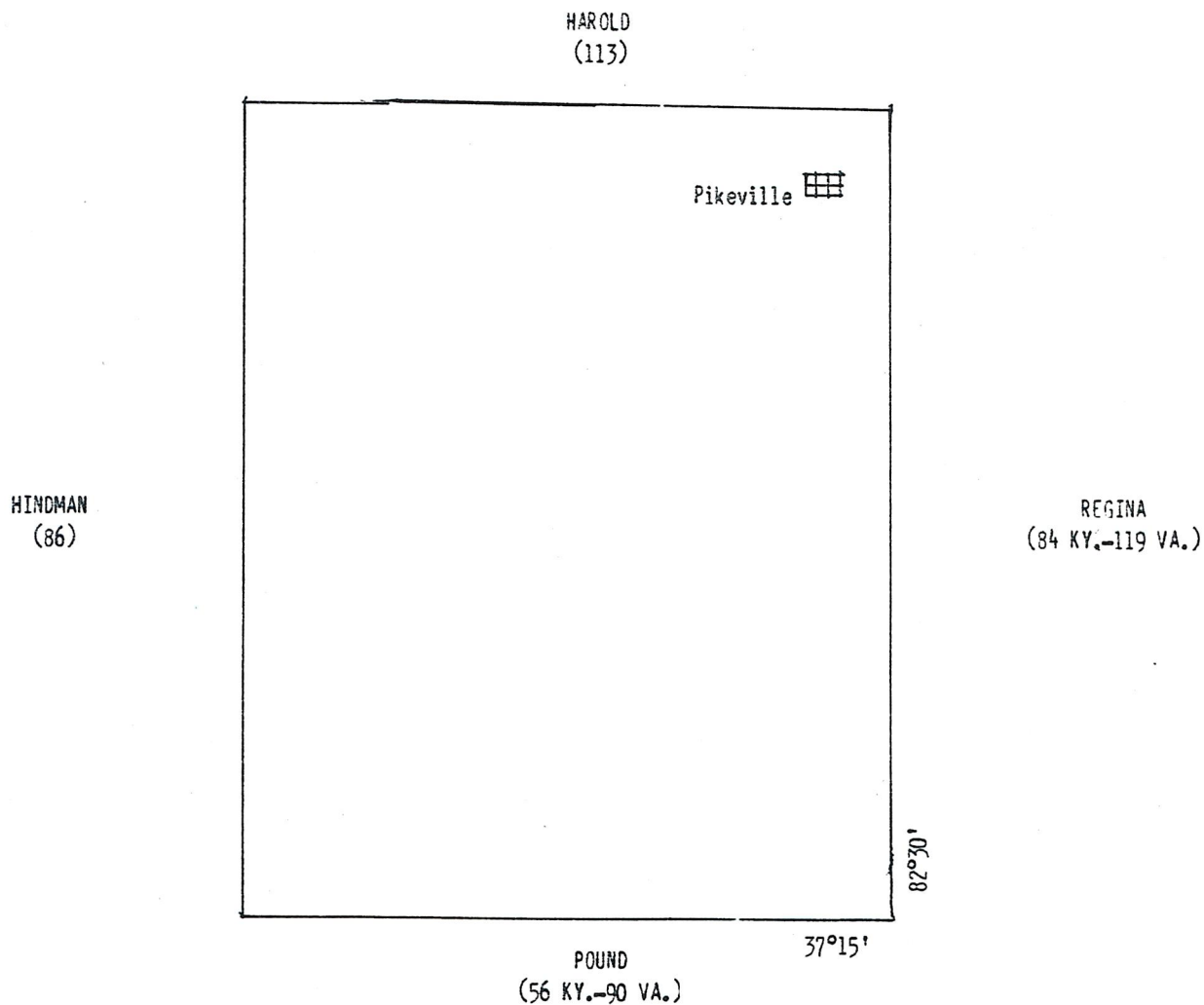
Floyd, Knott, Letcher,
and Pike Counties

Edition of 6/27/77

PR: CRV/rmm

Plane coordinates are based on Lambert
projection, Kentucky, South Zone

Only the permanent marks are
listed for control classified
obsolete and are not shown on
sketch



DISCLAIMER

We no longer attest to the validity of the positions listed for horizontal control established by transit traverse procedures. This control is now considered OBSOLETE and is included in this list for the purpose of identification only.

85 KENTUCKY
PIKEVILLE QUADRANGLE

37-082-31
N3715-W8230/15

INDEX OF PERMANENT MARKS

MARK (USGS)

PAGE NO.

1207
TT 31 TWC 1951
TT 2 CWH 1953
TT 3 CWH 1953 RESET
TT 4 CWH 1953 RESET
TT 5 CWH 1953
TT 6 CWH 1953
TT 7 CWH 1953
TT 3 JRH 1953

5
3
4
4
4
5
5
5
5

NGS

T 83 1935
T 317 1952
U 317 1953
V 317 1952
W 317 1952
Y 317 1952
Z 317 1952
A 318 1952
B 318 1952

4
3
3
3
3
3
4
4
4

85 KENTUCKY
PIKEVILLE QUADRANGLE

37-082-31

3

STATION DESCRIPTION
 PLANE COORDINATES, FEET

LATITUDE
° ' "

LONGITUDE
° ' "

The following positions are considered OBSOLETE. To be used only to locate permanent marks in the field.

By T. W. Cayce, 1952; Book AH 270

McDowell; in NE. wingwall of concrete bridge over Left Fork of Beaver Creek; standard tablet stamped
"TT 31 TWC 1951"

X = 2,873,489

Y = 422,837

37 27 23.39

82 44 24.92

By C. W. Haas, 1953; Book AH 316

Lookout, 0.15 mi E. of school, along State Highway 195, thence 2.8 mi WNW. along graveled rd.; 0.5 mi E. of crest of gap and Bowlings Grocery; 51 ft NE. of, and across rd. from 24-in. forked elm tree; 12 ft E. of, and 2 ft higher than centerline of rd.; set vertically in face of cut midway between two curves; NGS standard disk stamped "T 317 1952"

X = 2,944,455

Y = 375,345

37 19 10.83

82 30 05.54

Lookout, 0.15 mi E. of school, along State Highway 195, thence 3.4 mi WNW. along graveled rd.; 0.1 mi NW. of crest of gap and Bowlings Grocery; 17 ft NW. of NE. end of 15-in. pipe culvert with stone catch basin; 15 ft NE. of centerline of rd.; in rock ledge at bottom of rock cut; NGS standard disk stamped "U 317 1952"

X = 2,943,077

Y = 374,365

37 19 01.62

82 30 23.01

Lookout, 0.15 mi E. of school, along State Highway 195, thence 4.2 mi WNW. along graveled rd.; 0.1 mi E. of rd. junction SE.; on SW. slope of long hill; 56 ft NNE. of, and across rd. from power pole No. 216-61; 20 ft NNE. of, and 2.5 ft higher than centerline of rd.; set vertically in face of, and near center of rock cut; NGS standard disk stamped "V 317 1952"

X = 2,939,591

Y = 373,891

37 18 58.11

82 31 06.34

Esco, 5.0 mi SE. of large coal tipple on Chesapeake and Ohio Railway, along macadam and graveled rd.; 5.4 mi NW. of Lookout; 300 ft E. of, and across rd. from small cemetery; 13 ft S. of centerline of rd.; in S. headwall of 11-ft box culvert over Hopkins Creek; 12 ft W. of E. end; NGS standard disk stamped "W 317 1952"

X = 2,934,807

Y = 374,598

37 19 06.71

82 32 05.23

Esco, 2.9 mi S. of large coal tipple on C. & O. Ry., along macadam and graveled rd.; 1.0 mi NW. of Stewart School and church; 0.6 mi S. of cemetery; 15 ft E. of centerline of rd.; in E. headwall of 4-ft box culvert; 7 ft S. of N. end; NGS standard disk stamped "Y 317 1952"

X = 2,927,881

Y = 378,915

37 19 51.70

82 33 29.11

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Esco, 2.3 mi S. of large coal tipple on C. & O. Ry., along macadam and graveled rd.; 20 ft N. of N. end of concrete retaining wall along W. side of cemetery; 15 ft E. of centerline of rd.; 7 ft S. of SW. corner of lawn fence; in N. end of E. headwall of 5-ft concrete box culvert over Tom Little Branch; 6.5 ft S. of N. end; NGS standard disk stamped "Z 317 1952"

X = 2,928,056	Y = 381,816	37 20 20.30	82 33 25.74
---------------	-------------	-------------	-------------

Esco, 1.5 mi S. of large coal tipple on C. & O. Ry., along macadam and graveled rd.; 0.65 mi S. of cinder block church; 0.55 mi S. of 100-ft concrete bridge; 0.15 mi NW. of junction of rd. NE. along Left Fork of Penny Creek; 108 ft NW. of SW. end of 1.5-ft stone box culvert; 105 ft NW. of, and across rd. from power pole No. 191-27; 28 ft NW. of spring; 23 ft SW. of centerline of rd.; in large flat rock ledge projecting from cut bank; 1 ft SW. of NE. edge; NGS standard disk stamped "A 318 1952"

X = 2,930,243	Y = 384,616	37 20 47.24	82 32 57.49
---------------	-------------	-------------	-------------

Esco, 0.35 mi S. of large coal tipple on C. & O. Ry., along macadam and graveled rd.; 33 ft N. of junction of dirt rd. W. and drive E.; 12 ft E. of centerline of rd.; in E. headwall of 6-ft concrete box culvert; 10 ft S. of N. end; NGS standard disk stamped "B 318 1952"

X = 2,928,627	Y = 389,709	37 21 38.11	82 33 15.36
---------------	-------------	-------------	-------------

Virgie, 2.0 mi NE. of station, along C. & O. Ry.; 1.0 mi SW. of large coal tipple at Esco; 0.4 mi SW. of station sign at Penny; 10 ft S. of S. rail; 6 ft below track; in S. end of seat of Ry. bridge No. 86 over Shelby Creek; 2 ft N. of S. end; NGS standard disk stamped "T 83 1935"

X = 2,924,395	Y = 389,478	37 21 37.24	82 34 07.85
---------------	-------------	-------------	-------------

Virgie, at junction of U. S. Highway 23 and 119 and Long Fork Road; in SE. stone wingwall of concrete hwy. bridge over Long Fork; standard tablet stamped "TT 2 CWH 1953"

X = 2,918,732	Y = 381,657	37 20 21.83	82 35 21.20
---------------	-------------	-------------	-------------

Virgie, 1.9 mi SW. of junction of U. S. Highway 23 and 119, along Long Fork Road; in concrete walk leading to house of Noah Holbrook; standard tablet stamped "TT 3 CWH 1953 RESET"

X = 2,912,855	Y = 376,668	37 19 34.47	82 36 35.98
---------------	-------------	-------------	-------------

Virgie, 3.7 mi SW. of junction of U. S. Highway 23 and 119, along Long Fork Road; 145 ft E. of, and across creek from small store and Hartley Post Office; 100 ft N. of house; 62 ft E. of E. edge of creek above small garden; in rock outcrop; standard tablet stamped "TT 4 CWH 1953 RESET"

X = 2,906,429	Y = 371,064	37 18 41.19	82 37 57.79
---------------	-------------	-------------	-------------

STATION	DESCRIPTION	LATITUDE	LONGITUDE
PLANE COORDINATES, FEET		° ' "	° ' "

OBSOLETE MARKS (Cont'd.)

Virgie, 6.3 mi SW. of junction of U. S. Highway 28 and 119, along Long Fork Road; 12 ft N. and 12 ft W. of centerline of rd. at Marshall Branch; in N. end of wall of concrete bridge; standard tablet stamped "TT 5 CWH 1953"

X = 2,897,308	Y = 365,132	37 17 45.53	82 39 53.03
---------------	-------------	-------------	-------------

Virgie School, 0.5 mi N. of, thence 6.3 mi SW. along Long Fork Creek Road, thence 2.4 mi W. and S. along Marshall Branch; 0.2 mi NE. of gas well at end of rd.; 3 ft S. and 21 ft E. of extended centerline of rd. at junction of Y-rd.; near E. end of graded rd.; in boulder about level with rd.; standard tablet stamped "TT 3 JRH 1953" (Reported destroyed, 1954)

X = 2,888,368	Y = 363,783	37 17 35.07	82 41 44.15
---------------	-------------	-------------	-------------

By C. W. Haas, 1953; Book AH 316

Virgie, 7.0 mi SW. of junction of U. S. Highway 23 and 119, along Long Fork Road to Right Fork Road, thence 1.0 mi SW. along Right Fork Road; 350 ft NW. of store and sharp curve in rd.; 27 ft N. of centerline of rd.; under overhanging rock ledge; in rock 6-in. above ground; standard tablet stamped "TT 6 CWH 1953"

X = 2,894,412	Y = 358,459	37 16 40.52	82 40 31.54
---------------	-------------	-------------	-------------

Speight, at mouth of Yonts Branch; at SE. corner of rd. forks; 70 ft SE. of store of Silas Johnson (Specht Post Office); in top of projection of rock ledge; standard tablet stamped "1207"

X = 2,887,365	Y = 357,112	37 16 29.47	82 41 59.22
---------------	-------------	-------------	-------------

Virgie, 7.0 mi SW. of junction of U. S. Highway 23 and 119, along Long Fork Road to Right Fork Road, thence 2.6 mi SW. along Right Fork Road to Yonts Branch, thence 1.5 mi S. along Yonts Branch to top of ridge; 150 ft SE. of point where rd. crosses saddle; 27 ft N. of centerline of rd.; at base of, and on S. side of 14-in. oak tree; in rock outcrop; standard tablet stamped "TT 7 CWH 1953"

X = 2,885,783	Y = 350,794	37 15 27.53	82 42 21.30
---------------	-------------	-------------	-------------

ENDANGERED BENCH MARK NOTIFICATION

BENCH MARK STAMPING TT 7 CWH 1953

STATE KY QUAD PIKEVILLE QUAD NO. 85

NOTIFICATION RECEIVED (Date) 7-22-92

AUTHORIZATION AND SUPPLIES SENT FOR RESET (Date) 7-22-92

AGENCY/PERSON DOING RESET:

NAME LARRY E. Perkins

AGENCY USGS

ADDRESS _____

PHONE: ()- _____

FTS _____

REMARKS:

7-1165
Destroyed Horizontal 690
NOV

REPORT PREPARED BY John Walter

DATE 7-23-92

Place original in Quad Folder and a copy (with correspondence) in Suspense File. When reset is accomplished and notes typed and in Control List, discard notification form and copy.